BRUHAT BANGALORE MAHANAGARA PALIKE
BYATARAYANAPURA DIVISION

Name of Work :

Package-2, includes 3 works of Rs 228.00 Lks. 1) Desilting and Repairto side Walls of Storm Water Drain from Byatarayanapura Iyyappa Temple road to Bata Showroom near (NH-7 Bellary road) from L & T Compound to Venkatesh Reddy House at Byatarayanpura (from Kriyanna House to Mandi Appaiah farm House and from Gullappa Nursery (NH-7) to Amruthahali Lake in Ward No. 07, Byatarayanapura. 2) Construction and Improvements of Toilets in Kempapura, Yogeshnagara, Amruthahalli and Surroundings area in Ward No. 07, 3) Improvements to Burial Grounds and Crematorium in Ward No. 07, Byatarayanapura.Byatarayanapura.

DETAILED MEASUREMENT BOOK

2nd & PART BILL

Name of Work:

Name of Work: Construction and Improvements of Toilets in Kempapura, Yogeshnagara, Amruthahalli and Surroundings area in Ward No. 07,

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of Work: Construction and Improvements of Toilets in Kempapura, Yogeshnagara, Amruthahalli and Surroundings area in Ward No. 07, Byatarayanapura.

Job Code :- 007-18-000012, 007-18-000016, 007-18-000019

Name of Agency :- M/S Nischal Constructions

Bill No :- 2nd and Part Bill

Measurements recorded on

BOQ No	Description of item	Unit	No	L	B	D	Qty	Remarks
1	KSRB 2-2.1 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, **in ordinary soil** not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5 **Page No. 5 / Item No. 2.3 of PWD SR 2016-17**							
	Tiolet 1							
	Short Wall		2	4.52	0.90	0.90	7.32	
	Long Wall		2	5.55	0.90	0.90	8.99	
	Tiolet 2							
	Short Wall		2	4.52	0.90	0.90	7.32	
	Long Wall		1	5.55	0.90	0.90	4.50	
	Columns		6	1.50	1.50	1.20	16.20	
					Total Quantity		**44.33**	Cum

Consultant

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer,
Kodigehalli Sub Division.

Measurements recorded on

BOQ No	Description of item	Unit	No	L	B	D	Qty	Remarks
2	KSRB 4-1.3 : Providing and laying in position **plain cement concrete of mix 1:4:8** with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation**, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. **Page No.12, Item No. 4.3 of PWD SR 2016-17**							
	Wall Portion							
	Tiolet 1							
	Short Wall		2	4.52	0.90	0.15	1.22	
	Long Wall		2	5.55	0.90	0.15	1.50	
	Tiolet 2							
	Short Wall		2	4.52	0.90	0.15	1.22	
	Long Wall		1	5.55	0.90	0.15	0.75	
	Columns		6	1.50	1.50	0.15	2.03	
	For Flooring							
	Tiolet 1		1	4.50	5.27	0.15	3.56	
	Tiolet 2		1	4.50	5.27	0.15	3.56	
					Total Quantity		**13.83**	Cum

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bengaluru.

Consultant

Assistant Engineer

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.

Measurements recorded on

BOQ No	Description of item	Unit	No	L	B	D	Qty	Remarks
3	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in **foundation with cement mortar 1:6, stone** hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 **Page No. 23 / Item No. 5.6, PWD SR 2016-17**							
	Wall Portion							
	Tiolet 1							
	Short Wall		2	4.82	0.60	0.45	2.60	
	Long Wall		2	5.25	0.60	0.45	2.84	
	Tiolet 2							
	Short Wall		2	4.82	0.60	0.45	2.60	
	Long Wall		1	5.25	0.60	0.45	1.42	
	Deduction for Columns		6	1.20	0.60	0.45	-1.94	
						Total Quantity	**7.51**	Cum

NDR 8/7

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Consultant

Assistant Engineer

Assistant Executive Engineer,
Kodigehalli Sub Division

Measurements recorded on

BOQ No	Description of item	Unit	No	L	B	D	Qty	Remarks
4	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in **basement with cement mortar 1:6**, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 **Page No. 23 / Item No. 5.9, PWD SR 2016-17**							
	Wall Portion							
	Tiolet 1							
	Short Wall		2	4.97	0.45	0.45	2.01	
	Long Wall		2	5.10	0.45	0.45	2.07	
	Tiolet 2							
	Short Wall		2	4.97	0.45	0.45	2.01	
	Long Wall		1	5.10	0.45	0.45	1.03	
	Deduction for Columns		6	1.20	0.45	0.45	-1.46	
						Total Quantity	**5.67**	Cum

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Consultant

Assistant Engineer

Assistant Executive Engineer,
Yelahanka Zone, B.B.M.P.,

Measurements recorded on

BOQ No	Description of item	Unit	No	L	B	D	Qty	Remarks
6	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms, in depth, compacting each deposited layers by ramming after watering with lead upto 50m, and lift upto 1.5m, including cost of all labour complete as per specifications, specification. No. KBS 2.9, **Page No. 6 / Item No. 2.10 / PWD SR 2016-17**							NDP AE(L3) 10/17
			Qty Vide Item No. 1				**44.33**	Cum

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Consultant

Assistant Engineer

Assistant Executive Engineer,
Kodigehalli Sub Division,

Measurements recorded on

BOQ No	Description of item	Unit	No	L	B	D	Qty	Remarks
7	KSRB 15.1.2 Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:4, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications **Page No. 113 / Item No. 15.2, PWD SR 2016-17**							
	Wall Portion							
	Tiolet 1							
	Short Wall		2	4.97		0.45	4.47	
	Long Wall		2	5.10		0.45	4.59	
	Tiolet 2							
	Short Wall		2	4.97		0.45	4.47	
	Long Wall		1	5.10		0.45	2.30	
						Total Quantity	**15.83**	Sqm

Consultant

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer,
Kodigehalli Sub Division,

Measurements recorded on

BOQ No	Description of item	Unit	No	L	B	D	Qty	Remarks
38	KSRB 13-11.1 : Providing and placing on terrace, polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications. **(For 1000 litre capacity) Specification No.KBS 13.22 Page No. 94, Item No. 13.78, PWD SR 2016-17**							
			2x1				**2.00**	Nos

Consultant

Assistant Engineer

Assistant Executive Engineer,
Kodigehalli Sub Division,

Measurements recorded on

BOQ No	Description of item	Unit	No	L	B	D	Qty	Remarks
39	KSRB 11-15.3 : Providing and fixing 453x357mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labour complete as per specifications. (**P.No.82, I.No. 12.41 of PWD SR 2016-17**)							
			2x1				**2.00**	Unit

Consultant

Assistant Engineer

Assistant Executive Engineer,
Kodigehalli Sub Division,

Assistant Executive Engineer

Name of Work:

Name of Work: Improvements to Burial Grounds and Crematorium in Ward No. 07, Byatarayanapura.Byatarayanapura.

BRUHATH BANGALORE MAHANAGARA PALIKE

BYATARAYANAPURA

Name of Work: Improvements to Burial Grounds and Crematorium in Ward No. 07, Byatarayanapura.Byatarayanapura.

Job Code :- 007-18-000012, 007-18-000016, 007-18-000019

Name of Agency :- M/S Nischal Constructions

Bill No :- 2nd and Part Bill

Measurements recorded on

Sl No.	Description of item / Chainage		Unit	No	L	B	D	Qty	Remarks
40	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications.								
	GKVK Park 1								
	0.00	15.00		1	15.00	1.00	0.90	13.50	
	15.00	30.00		1	15.00	1.00	0.90	13.50	
	30.00	45.00		1	15.00	1.00	0.90	13.50	
	45.00	60.00		1	15.00	1.00	0.90	13.50	
	60.00	75.00		1	15.00	1.00	0.90	13.50	
	75.00	90.00		1	15.00	1.00	0.90	13.50	
	90.00	105.00		1	15.00	1.00	0.90	13.50	
	105.00	120.00		1	15.00	1.00	0.90	13.50	
	120.00	135.00		1	15.00	1.00	0.90	13.50	
	135.00	137.00		1	2.00	1.00	0.90	1.80	
	GKVK Park 2								
	0.00	15.00		1	15.00	1.00	0.90	13.50	
	15.00	30.00		1	15.00	1.00	0.90	13.50	
	30.00	45.00		1	15.00	1.00	0.90	13.50	
	45.00	60.00		1	15.00	1.00	0.90	13.50	
	60.00	75.00		1	15.00	1.00	0.90	13.50	
	75.00	90.00		1	15.00	1.00	0.90	13.50	
	90.00	105.00		1	15.00	1.00	0.90	13.50	
	105.00	120.00		1	15.00	1.00	0.90	13.50	
	120.00	135.00		1	15.00	1.00	0.90	13.50	
	135.00	150.00		1	15.00	1.00	0.90	13.50	
	150.00	165.00		1	15.00	1.00	0.90	13.50	
	165.00	180.00		1	15.00	1.00	0.90	13.50	
	180.00	195.00		1	15.00	1.00	0.90	13.50	
	195.00	211.00		1	16.00	1.00	0.90	14.40	
	SSM Drain Near Kodigehalli Gate								
	0.00	15.00		1	15.00	1.80	1.20	32.40	
	15.00	30.00		1	15.00	1.80	1.20	32.40	
								378.00	

Consultant

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Yelahanka Zone, B.B.M.P.,
Bangalore.

Assistant Executive Engineer

Cl- 378-a

Measurements recorded on									
Sl No.	Description of item Chainage		Unit	No	L	B	D	Qty	Remarks
	Earth Work For Pole's Fixing								
				29		0.60	0.60	10.44	
						Total Quantity		388.44	
						Qty Limited to		341.06	Cu-m

Consultant

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,

Measurements recorded on

Sl No.	Description of item / Chainage		Unit	No	L	B	D	Qty	Remarks
41	KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.								
	GKVK Park 1								
	0.00	15.00		1	15.00	1.00	0.15	2.25	
	15.00	30.00		1	15.00	1.00	0.15	2.25	
	30.00	45.00		1	15.00	1.00	0.15	2.25	
	45.00	60.00		1	15.00	1.00	0.15	2.25	
	60.00	75.00		1	15.00	1.00	0.15	2.25	
	75.00	90.00		1	15.00	1.00	0.15	2.25	
	90.00	105.00		1	15.00	1.00	0.15	2.25	
	105.00	120.00		1	15.00	1.00	0.15	2.25	
	120.00	135.00		1	15.00	1.00	0.15	2.25	
	135.00	137.00		1	2.00	1.00	0.15	0.30	
	GKVK Park 2								
	0.00	15.00		1	15.00	1.00	0.15	2.25	
	15.00	30.00		1	15.00	1.00	0.15	2.25	
	30.00	45.00		1	15.00	1.00	0.15	2.25	
	45.00	60.00		1	15.00	1.00	0.15	2.25	
	60.00	75.00		1	15.00	1.00	0.15	2.25	
	75.00	90.00		1	15.00	1.00	0.15	2.25	
	90.00	105.00		1	15.00	1.00	0.15	2.25	
	105.00	120.00		1	15.00	1.00	0.15	2.25	
	120.00	135.00		1	15.00	1.00	0.15	2.25	
	135.00	150.00		1	15.00	1.00	0.15	2.25	
	150.00	165.00		1	15.00	1.00	0.15	2.25	
	165.00	180.00		1	15.00	1.00	0.15	2.25	
	180.00	195.00		1	15.00	1.00	0.15	2.25	
	195.00	211.00		1	16.00	1.00	0.15	2.40	
	SSM Drain Near Kodigehalli Gate								
	0.00	15.00		1	15.00	1.80	0.15	4.05	
	15.00	30.00		1	15.00	1.80	0.15	4.05	
	Earth Work For Pole's Fixing								
				29		0.60	0.15	2.61	
						Total Quantity		**62.91**	**Cum**

Consultant

Assistant Engineer

Assistant Executive Engineer

Measurements recorded on

Sl No.	Description of item / Chainage		Unit	No	L	B	D	Qty	Remarks
43	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. specification. No. KBS Page No. 5 / Item No. 2.15 of PWD SR 2016-17								
	GKVK Park 1								
	0.00	15.00		1	15.00	1.80	0.30	8.10	
	15.00	30.00		1	15.00	1.80	0.30	8.10	
						Total Quantity		**16.20**	NDD
						Qty Limited to		**13.83**	**Cum**

Consultant

Assistant Engineer

Assistant Executive Engineer

Measurements recorded on

Sl No.	Description of item / Chainage		Unit	No	L	B	D	Qty	Remarks
44	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.								
	GKVK Park 1								
	0.00	15.00		1	15.00	0.75	0.60	6.75	
	15.00	30.00		1	15.00	0.75	0.60	6.75	
	30.00	45.00		1	15.00	0.75	0.60	6.75	
	45.00	60.00		1	15.00	0.75	0.60	6.75	
	60.00	75.00		1	15.00	0.75	0.60	6.75	
	75.00	90.00		1	15.00	0.75	0.60	6.75	
	90.00	105.00		1	15.00	0.75	0.60	6.75	
	105.00	120.00		1	15.00	0.75	0.60	6.75	
	120.00	135.00		1	15.00	0.75	0.60	6.75	
	135.00	137.00		1	2.00	0.75	0.60	0.90	
	GKVK Park 2								
	0.00	15.00		1	15.00	0.75	0.60	6.75	
	15.00	30.00		1	15.00	0.75	0.60	6.75	
	30.00	45.00		1	15.00	0.75	0.60	6.75	
	45.00	60.00		1	15.00	0.75	0.60	6.75	
	60.00	75.00		1	15.00	0.75	0.60	6.75	
	75.00	90.00		1	15.00	0.75	0.60	6.75	
	90.00	105.00		1	15.00	0.75	0.60	6.75	
	105.00	120.00		1	15.00	0.75	0.60	6.75	
	120.00	135.00		1	15.00	0.75	0.60	6.75	
	135.00	150.00		1	15.00	0.75	0.60	6.75	
	150.00	165.00		1	15.00	0.75	0.60	6.75	
	165.00	180.00		1	15.00	0.75	0.60	6.75	
	180.00	195.00		1	15.00	0.75	0.60	6.75	
	195.00	211.00		1	16.00	0.75	0.60	7.20	
	Earth Work For Pole's Fixing								
	0.00	15.00		2	15.00	0.60	0.60	10.80	
	15.00	30.00		2	15.00	0.60	0.60	10.80	
						Total Quantity		**178.20**	**Cum**

Consultant

Assistant Engineer

Assistant Executive Engineer

Measurements recorded on

Sl No.	Description of item / Chainage		Unit	No	L	B	D	Qty	Remarks
45	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.								
	GKVK Park 1								
	0.00	15.00		1	15.00	0.45	0.45	3.04	
	15.00	30.00		1	15.00	0.45	0.45	3.04	
	30.00	45.00		1	15.00	0.45	0.45	3.04	
	45.00	60.00		1	15.00	0.45	0.45	3.04	
	60.00	75.00		1	15.00	0.45	0.45	3.04	
	75.00	90.00		1	15.00	0.45	0.45	3.04	
	90.00	105.00		1	15.00	0.45	0.45	3.04	
	105.00	120.00		1	15.00	0.45	0.45	3.04	
	120.00	135.00		1	15.00	0.45	0.45	3.04	
	135.00	137.00		1	2.00	0.45	0.45	0.41	
	GKVK Park 2								
	0.00	15.00		1	15.00	0.45	0.45	3.04	
	15.00	30.00		1	15.00	0.45	0.45	3.04	
	30.00	45.00		1	15.00	0.45	0.45	3.04	
	45.00	60.00		1	15.00	0.45	0.45	3.04	
	60.00	75.00		1	15.00	0.45	0.45	3.04	
	75.00	90.00		1	15.00	0.45	0.45	3.04	
	90.00	105.00		1	15.00	0.45	0.45	3.04	
	105.00	120.00		1	15.00	0.45	0.45	3.04	
	120.00	135.00		1	15.00	0.45	0.45	3.04	
	135.00	150.00		1	15.00	0.45	0.45	3.04	
	150.00	165.00		1	15.00	0.45	0.45	3.04	
	165.00	180.00		1	15.00	0.45	0.45	3.04	
	180.00	195.00		1	15.00	0.45	0.45	3.04	
	195.00	211.00		1	16.00	0.45	0.45	3.24	
	SSM Drain Near Kodigehalli Gate								
	0.00	15.00		2	15.00	0.45	0.60	8.10	
	15.00	30.00		2	15.00	0.45	0.60	8.10	
						Total Quantity		**86.67**	
						Qty Limited to		**45.17**	**Cum**

Consultant

Assistant Engineer

Assistant Executive Engineer

Measurements recorded on

Sl No.	Description of item / Chainage		Unit	No	L	B	D	Qty	Remarks
46	KSRB 15.1.3 Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications								
	GKVK Park 1								
	0.00	15.00		2	15.00		0.45	13.50	
	15.00	30.00		2	15.00		0.45	13.50	
	30.00	45.00		2	15.00		0.45	13.50	
	45.00	60.00		2	15.00		0.45	13.50	
	60.00	75.00		2	15.00		0.45	13.50	
	75.00	90.00		2	15.00		0.45	13.50	
	90.00	105.00		2	15.00		0.45	13.50	
	105.00	120.00		2	15.00		0.45	13.50	
	120.00	135.00		2	15.00		0.45	13.50	
	135.00	137.00		2	2.00		0.45	1.80	
	GKVK								
	0.00	15.00		2	15.00		0.45	13.50	
	15.00	30.00		2	15.00		0.45	13.50	
	30.00	45.00		2	15.00		0.45	13.50	
	45.00	60.00		2	15.00		0.45	13.50	
	60.00	75.00		2	15.00		0.45	13.50	
	75.00	90.00		2	15.00		0.45	13.50	
	90.00	105.00		2	15.00		0.45	13.50	
	105.00	120.00		2	15.00		0.45	13.50	
	120.00	135.00		2	15.00		0.45	13.50	
	135.00	150.00		2	15.00		0.45	13.50	
	150.00	165.00		2	15.00		0.45	13.50	
	165.00	180.00		2	15.00		0.45	13.50	
	180.00	195.00		2	15.00		0.45	13.50	
	195.00	211.00		2	16.00		0.45	14.40	
	SSM Drain Near Kodigehalli Gate								
	0.00	15.00		2	15.00		0.60	18.00	
	15.00	30.00		2	15.00		0.60	18.00	
						Total Quantity		**349.20**	
						Qty Limited to		**339.30**	**Sq-m**

Consultant

Assistant Engineer

Assistant Executive Engineer

Measurements recorded on

Sl No.	Description of item / Chainage		Unit	No	L	B	D	Qty	Remarks
47	KSRB 4-1.5 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2.								
	Coping Concrete								
	GKVK Park 1								
	0.00	15.00		1	15.00	0.45	0.10	0.68	
	15.00	30.00		1	15.00	0.45	0.10	0.68	
	30.00	45.00		1	15.00	0.45	0.10	0.68	
	45.00	60.00		1	15.00	0.45	0.10	0.68	
	60.00	75.00		1	15.00	0.45	0.10	0.68	
	75.00	90.00		1	15.00	0.45	0.10	0.68	
	90.00	105.00		1	15.00	0.45	0.10	0.68	
	105.00	120.00		1	15.00	0.45	0.10	0.68	
	120.00	135.00		1	15.00	0.45	0.10	0.68	
	135.00	137.00		1	2.00	0.45	0.10	0.09	
	GKVK Park 2								
	0.00	15.00		1	15.00	0.45	0.10	0.68	
	15.00	30.00		1	15.00	0.45	0.10	0.68	
	30.00	45.00		1	15.00	0.45	0.10	0.68	
	45.00	60.00		1	15.00	0.45	0.10	0.68	
	60.00	75.00		1	15.00	0.45	0.10	0.68	
	75.00	90.00		1	15.00	0.45	0.10	0.68	
	90.00	105.00		1	15.00	0.45	0.10	0.68	
	105.00	120.00		1	15.00	0.45	0.10	0.68	
	120.00	135.00		1	15.00	0.45	0.10	0.68	
	135.00	150.00		1	15.00	0.45	0.10	0.68	
	150.00	165.00		1	15.00	0.45	0.10	0.68	
	165.00	180.00		1	15.00	0.45	0.10	0.68	
	180.00	195.00		1	15.00	0.45	0.10	0.68	
	195.00	211.00		1	16.00	0.45	0.10	0.72	
	SSM Drain Near Kodigehalli Gate								
	BED Concrete								
	180.00	195.00		1	15.00	0.60	0.15	1.35	
	195.00	211.00		1	16.00	0.60	0.15	1.44	
	Coping Concrete								
	0.00	15.00		2	15.00	0.45	0.10	1.35	
	15.00	30.00		2	15.00	0.45	0.10	1.35	

Consultant

Assistant Engineer

Assistant Executive Engineer

Cr 21.15

Measurements recorded on

Sl No.	Description of item / Chainage	Unit	No	L	B	D	Qty	Remarks
	Cocrete For Pole's Fixing							
			29		0.60	0.45	7.83	
					Total Quantity		**28.98**	
					Qty Limited to		**18.82**	**Cum**

Consultant

Assistant Engineer

Assistant Executive Engineer

Measurements recorded on

Sl No.	Description of item / Chainage	Unit	No	L	B	D	Qty	Remarks
49	Supplying and fixing M.S. Rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC (1:2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 cms. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead lifts and as per the directions of the Engineerin - charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete)							
	GKVK Park 1			55	2.40		132	
	GKVK Park 2			84	2.40		201.6	
				21	2.40		50.4	
						Total Quantity	**384**	**Mtr**

Consultant

Assistant Engineer

Assistant Executive Engineer

Measurements recorded on

Sl No.	Description of item / Chainage	Unit	No	L	B	D	Qty	Remarks
50	Providing and fixing M.S. Block pipe of 38mm dia, of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the existing two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete including two coats of approved quality paint over one coat of shop paint.							
	GKVK Park 1			3	137.00			411.00	
	GKVK Park 2			3	211.00			633.00	
				3	63.00			189.00	
							Total Quantity	**1233.00**	NOD
							Qty Limited to	**1233**	**Sq-m**

Consultant

Assistant Engineer

Assistant Executive Engineer

Measurements recorded on

Sl No.	Description of item / Chainage	Unit	No	L	B	D	Qty	Remarks
51	Providing chain link fencing 50mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint							
	GKVK Park 1			1	137.00		1.80	246.60	
	GKVK Park 2			1	211.00		1.80	379.80	
				1	63.00		1.80	113.40	
						Total Quantity		**739.80**	
						Qty Limited to		**669.60**	**Sq-m**

Consultant

Assistant Engineer

Assistant Executive Engineer